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USAF review completed.

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PREPARED AND DISSEMINATED BY CENTRAL INTELLIGENCE AGENCY			
COUNTRY	Hungary		
SUBJECT	Deep Water Fording Procedure With the T34/85 Tank	DATE DISTRIBUTED 4 April 1957	
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		SUPPLEMENT TO REPORT #	25X1

THIS IS UNEVALUATED INFORMATION

This report is the result of a joint collection effort by the Air Force, the Navy, the Army, and CIA, and is disseminated in accordance with the provisions of NSCID #7.7

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1. [redacted] armored regiment, [redacted] located at Esztergom. The mission [redacted] was to protect the tanks against enemy personnel. The unit strength was five officers and about 90 enlisted men. The company was organized into three platoons, each platoon had three squads. Each squad had a squad leader, one light machine gunner, one ammunition carrier, one sharpshooter, and five riflemen.
2. The armored regiment [redacted] consisted of four tank battalions, each tank battalion had about 50 men and 10 T34/85 tanks.
3. In October 1955 the entire regiment participated in a one week maneuver with all satellite countries represented. The maneuver was held at Celldomok /4715N/1709E/ [redacted] the object of the maneuver was to make an offensive crossing of the Raba river. [redacted] it was a complete success.
4. [redacted] T34/85 tanks [redacted] make the river crossing. The procedure for preparing to cross a river requires special preparation of the tanks. About ten minutes prior to making the crossing, the tank crews apply a yellow wax type paper and grease to all openings in the tank. The main gun and the machine guns are sealed with a cover that fits over the muzzle. The rear deck over the engine is covered with a tarp and the edges are sealed with the paper and grease. The exhausts are not protected or extended with any snorkle type devices. The only snorkle device on the tank is a 150 cm long 20 cm diameter tube extended from the tank turret. [redacted]
5. When crossing a river the drivers are instructed to drive in second gear with the throttle wide open. They are also instructed not to shift gears while in the water. The tanks travel about 25 km per hour when they enter the water. The gun is always in the forward position. When the tank is in the water the driver can not see. Upon reaching the far side of the river, the drivers hatch is thrown open to allow the driver to see. The

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tanks usually travel about 1 km before they stop to remove the gun covers and tarp. The guns can be fired with the gun covers in place.

6. None of the tanks had any trouble while in the water. The river crossing was about 50m wide. The water at this crossing was from three and a half to four meters deep.

the crossing was on the Raba river.

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drawing, not to scale, classified Confidential, of the Hungarian Army T34/85 medium tank with underwater fording modification.]

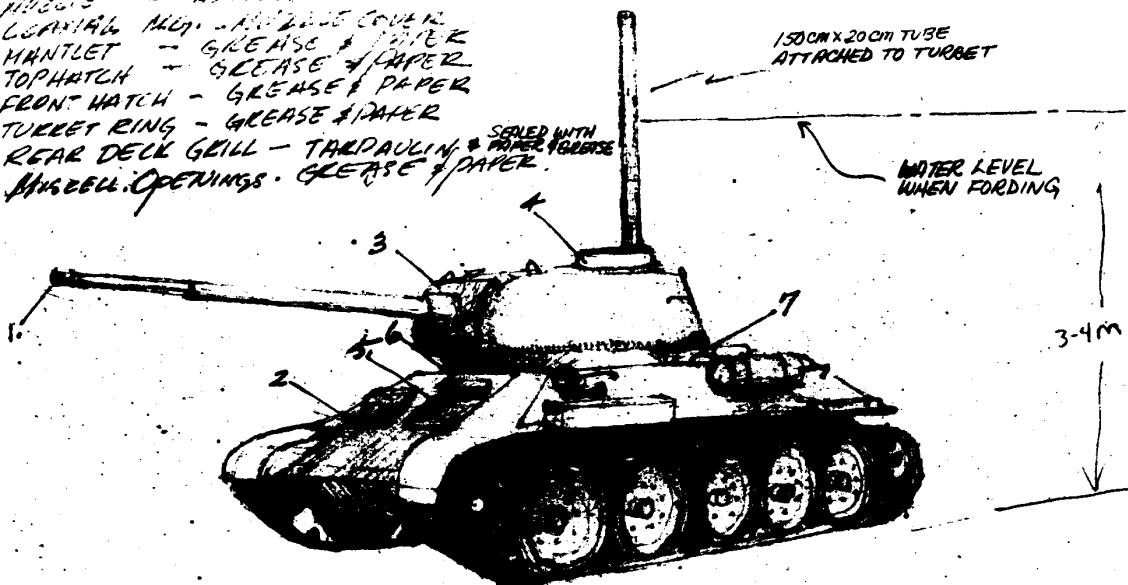
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1. FRONT HATCH - GREASE & PAPER
 2. LOADING HATCH - GREASE COVER
 3. MANTLET - GREASE & PAPER
 4. TOP HATCH - GREASE & PAPER
 5. FRONT HATCH - GREASE & PAPER
 6. TURRET RING - GREASE & PAPER
 7. REAR DECK GRILL - TARPULIN & GREASE
 8. MISCELL. OPENINGS - GREASE & PAPER



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T-34/85 MDTANK W/ UNDERWATER FORDING MODIFICATION

ANNEX I